

Studies of the Equilibria Liquid-Vapour in the  
Systems Water-Ethylen Glycol-Diethylen Glycol-  
Triethylen Glycol, by T. N. Skripach, M. I.  
Tsvetko. UNCL.

MONOGRAFIJ, ser., Issue Prilik Nauk, Vol XIX, No 2,  
1946, pp 180-185.

DATA Lending Library Unit N. 191

Sci. - Chem  
Apr 59

83, 884

Method of the Preparation of 2, 3-Di-chlorobutadiene-1, 3, by A. L. Klebanskiy, A. P. Belen'kaya, K. K. Chevychalova, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, 1946,  
pp 200-206.

SLA 60-17198

Sci

Apr 61

OTS, Vol III, No 12

163,252

Balandin, A. A. and Marukyan, G. M.  
CATALYTIC PREPARATION OF  $\alpha$ -METHYL-  
STYRENE. [1981] 10p. 12 refs.  
Order from OTS or SLA \$1.10

61-20159

Transl. of Zhurnal Prikhodnol Khimii (USSR) 1946,  
v. 19, p. 207-216.

DESCRIPTORS: \*Styrene, Methyl radicals,  
Synthesis, \*Copper, Dehydrogenation, Copper,  
Chromium, Catalysts, Catalysis.

A study of catalytic dehydrogenation of isopropylbenzene to  $\alpha$ -methylstyrene showed that this method may be recommended for testing on a commercial scale.  $\alpha$ -Methylstyrene is distinguished by a number of advantages over styrene. Its preparation is simpler and the quality of synthetic rubber obtainable by its copolymerization with 1,3-butadiene is apparently higher than that of copolymers of the latter with styrene. De-  
(Chemistry-Organic, TT, v. 6, no. 11) (over)

61-20159

I. Balandin, A. A.  
II. Marukyan, G. M.

Office of Technical Services

The Kinetics of the Chamber Process for Sulfuric Acid, by I. N. Kuzminykh.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 19,

1946, pp 217-230.

ATS 94Z12LR - \$35.25.

NTC 72-00702-07D

Jan 73

Krasyukov, A. F., Boltova, E. P., and Kalita, L. A.  
PREPARATION OF A TANNING MATERIAL FROM  
OIL REFINING WASTE PRODUCTS. [1961] 6p. 2 refs.  
Order from OTS or SLA \$1.10 61-20119

Trans. of Zhurnal Prikloznoi Khimii (USSR) 1946,  
v. 19, p. 322-328.

DESCRIPTORS: \*Oils, Refineries, \*Chemical waste,  
\*Tannic acids, \*Leather.

A synthetic tanning material (sulfosyntan) was prepared on a laboratory scale from acid sludge from refining paraffinic oil. The simplicity of its preparation and of the equipment required make this material inexpensive; its quality is not lower than that of sulfo-anthracene, which is used in the USSR for tanning. Subsequent strengthening of the adhesion of sulfo-paraffin to the hide fibers with the aid of green vitriol (Materials--Leather, TT, v. 7, no. 8) (over)

61-20119

1. Title: Tanning
2. Title: Sulfosyntan
- I. Krasyukov, A. F.
- II. Boltova, E. P.
- III. Kalita, L. A.

201422

Office of Technical Services

Kremnev, L. Ya., Mischchenko, K. P., and  
Feklinov, A. I.  
EMULSIONS OF METALLIC MAGNESIUM IN THE  
MELTS OF VARIOUS SALTS. [1963] 16p.  
Order from K-H \$16.00 K-H 6065 a

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1946,  
v. 19, no. 4, p. 363-370.

DESCRIPTORS: \*Magnesium, Liquid metals, \*Salts,  
Melting, \*Colloids.

63-17276

I. Kremnev, L. Ya.  
II. Mischchenko, K. P.  
III. Feklinov, A. I.  
IV. K-H-6065-a  
V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

SLA TT-64-20201

(Chemistry--Inorganic, TT, v. 10, no. 2)

Office of Technical Services

Explosive mixtures of water and methyl alcohol  
with magnesium and aluminum, by A. A. Shil'kovskiy,  
12 pp

Zhurnal Prikladnoy Khimii, 1946, vol 19, no 4

RUSSIAN ver, Vol 19 No 4 pp 371 - 378

Sci Museum Lib no 52/0054

<p>Levitskaya, N. F., and Popok, K. K. ANTILOCHEMIC PROPERTIES OF VINYL ETHERS. [1961] Sov. Pat. No. 10 Order from GIN, or SLA \$1.10 61-23113</p> <p>Transl. of Zhurnal Prakticheskoi Khimii (USSR) 1966, v. 19, p. 416-419.</p> <p>DESCRIPTORS: *Ethers, *Vinyl radicals, Antiliceek, *Gaseous.</p> <p>Antiliceek properties of vinyl ethers increase with passing from higher alkyl to lower and are also higher for vinyl ethers containing 2 or 3 double bonds than 1. Vinyl propyl ether was found to possess stronger antiliceek properties than any of the other vinyl ethers investigated. It raised the action index of scorpion concentrates 1.6-1.8 times more effectively than insecticides, isopropyl ether or hexane. (Author) (Chemistry-Soviet, T1, v. 6, no. 11)</p>	<p>61-23113</p> <p>L. Levitskaya, N. F. K. Popok, K. K.</p> <p>1 8x5 3</p> <p>Office of Technical Services</p>	
--	--	--

Tyskovskii, V.  
SYNTHESIS OF FATTY ACIDS FROM FRACTIONS  
OF PETROLATUM. [1961] 7p. 5 refs.  
Order from GTS or SLA \$1.10 61-20114

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946,  
v. 19, p. 428-434.

DESCRIPTORS: Hydrocarbons, Oxidation, "Fatty  
acids, Acids, Synthesis.

Previous attempts to use petrolatum as a raw material for oxidation to acids to be used for the manufacture of greases were unsatisfactory, because of the unsuitability of the molecular weights of a substantial portion of the charging stock; and its contents of isoparaffins. Conditions of distillation were found during which isoparaffins contained in petrolatum are for the most part broken down into straight chain paraffins. Fractions of the material amounting to up (Chemistry--Organic, TT, v. 7, no. 10) (over)

61-20114

I. Title: Petrolatum  
I. Tyskovskii, V.

Office of Technical Services

Bocharov, A. A. and Obolentsev, R. D.  
ANALYSIS OF HYDROCARBON MIXTURES BY THE  
USE OF COMPOUNDS WITH HIGH INTERNAL  
PRESSURE [1961] 9p. 10 refs.  
Order from OTS or SLA \$1.10

61-20116

Transl. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19  
p. 492-503.

DESCRIPTION: \*Hydrocarbons, Mixtures, \*Iodides,  
Solubility, Raman spectroscopy, Infrared spectro-  
copy, Pressure, Temperature.

A new method for analysis of binary mixtures of iso-  
meric paraffins was developed based on the solubility of stannous iodide in them. This method, in conjunc-  
tion with qualitative analysis by Raman spectroscopy  
and the determination of the methyl number by in-  
frared spectroscopy, offers a means of quantitative  
analysis. (CATHERINE, 17, v. 6, no. 11) (over)

61-20116

I. Bocharov, A. A.  
II. Obolentsev, R. D.

8803

Office of Technical Services

Reaction of Niobium and Tantalum With Polyphenols,  
by Yu. V. Karyakin and P. N. Tuleshnikova.

Full translation.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 4, USSR,  
1946, pp 435-439.

AEC Tr 1279

Scientific - Chemistry

Jun 52 CPS

DEK

Reaction of Tertiary Amines With Phosgene Under  
Conditions of Formation of Tetrasubstituted Ureas,  
by N. P. Lmatovskiy, 10 pp.

RUSSIAN, part, Zhur Prik Khim, Vol. XIX, No 4, 1946,  
pp 640-644.

Sci Tr Center  
RT-1650

Scientific Chemistry

/

CTS/DEX

18,758

The Use of Substances of High Internal Pressure for the  
Analyses of Hydrocarbon Mixtures, by A. A. Detcharov,  
R. D. Chernenko.

RUSSIAN, per, Zhier Prik Khim, Vol XXIX, No 5, 6,  
1946, pp 492-503.

Thornton Research Centre  
Misc 4  
P 22061 T

16,382

Scientific - Chemistry

apply for Tr. to Shell Petroleum Co Ltd ~~XXXXX~~  
Norman House, 105-109 Strand, London, W. C. 2

Gutner, R., Morozova, G., Papkina, Z.,  
Tishchenko, M., and Shchigelskaya, M.  
VAPOR PHASE HYDROLYSIS OF CHLOROBENZENE,  
II. [8 Oct 47] [10p] 4refs  
Order from OTS or SLA \$1.10 63-18534

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) [1946]  
v. 19, p. 504-510.  
A trans. is available in Dutch from OTS or ETC \$1.55  
as 61-17763. MTWL-98, 10p.

DESCRIPTORS: \*Benzene, \*Chlorides, Hydrolysis,  
Vapors, \*Phenols, Catalysts, Chemical reactions,  
Graphic analysis, Sorption.

(Chemistry--Organic, TT, v. 10, no. 10)

63-18534

- I. Title: Phenyl chloride
- II. Gutner, R.
- III. Morozova, G.
- IV. Papkina, Z.
- V. Tishchenko, M.
- VI. Shchigelskaya, M.

Office of Technical Services

Adsorption of Methane on Charcoal, by I. P.  
Kirillov, E. S. Rakulin, 8 pp.

RUSSIAN, PER, Zhur Prik Khim, Vol XIX, No 5-6,  
1946, pp 511-515.

Sci Trans Center RT-659

Scientific - Chemistry  
CTS/DKX

4089

Deformation Properties of Thickeners, by M. G.  
Shikher

RUSSIAN, per, Izvur Ruk Pril Khin, Vol XIX, No 5/6,  
1966, pp 542-552.

Assoc Tech Sv RJ-473  
\$13.00

Sci - Chemistry  
Jan 57 OTS

42,177

S-178/60

(NY-4819)

High-Speed Oxidizing Gasification of Benzine, by  
M. I. Demnet'yeva, M. A. Rivin, D. M. Rudkovskiy,  
38 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XIX, No 7,  
1946, pp 632-650.

JPRS 5506

Sci - Chem  
Oct 60

128,300

Mechanism of Corrosion of Iron by Sulfur,  
by P. V. Gel'd, O. A. Esin

RUSSIAN, no per, Zhur Prik Khim, Vol 19,  
No 7, 1946, pp 678-83

Brutcher No 3186  
\$4.40

Scientific .. Min/Metals, Chemistry  
Feb 56 CTS/lex  
31, 2 35

Zhur. Prom. Khim. No 8, 1946 Pg 26-32

"Electrolytic separation of  
Zirconium." Plotnikov, Litman

Proj 6372

R-1544.1

SR 17 Aug 1950

Zhur Prik Khim, KIX, 684-92; 841-47 (1946)

The Suspending Ability of Clayey Washing Liquids Used  
in Drilling I and II

P. M. Khomikovskiy and D. I. Shilov

(Wilson Dam 2579) *SLA R-1001*

Synthesis of Polyvinyl Foam in the Homogenous Medium, by S. N. Ushakov, O. B. Eve.  
RUSSIAN, per, Zh. Prik. Khim., Vol 19, No 9,  
1946, pp 853-860.  
NLL 5828.4F (11812)

Sci - Chem  
Sept. 67

340,357

Absorption of Carbon Dioxide by Ethanolamines  
I. The Rate of Absorption of Carbon Dioxide by  
Solutions of Mono-, Di-, and Triethanolamines, by  
A. L. Shneerson, A. G. Leibush, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 9,  
1946, pp 869-879.

SLA R-1073  
NLL/RTS 2275

Sci  
Aug 58

701844

Contact Method of Production of Acetaldehyde From Acetylene in the Vapor Phase, by A. Ya. Yakubovich et al.

RUSSIAN, no per, Zhur Prik Khim, Vol XVII, 1946,  
USSR, pp 973-988.

Assoc Tech Sv RJ-6:  
Sci - Chemistry \$26.20 (\$3.90) SLA R-1869

Aug 54

RJ-64

17,132

Dertev, N. K.  
NEW METHOD OF MAKING GLASS ON BASIS OF  
SODIUM CHLORIDE IN PLACE OF SODA. [1962]  
[29]p. 7 refs.  
Order from OTS or SLA \$2.60

62-16465

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946,  
v. 19, no. 9, p. 1007-1017.

DESCRIPTORS: Manufacturing methods, \*Glass,  
\*Sodium compounds, \*Chlorides, Carbonates.

(Materials--Ceramics, TT, v. 8, no. 11)

62-16465

I. Dertev, N. K.

Office of Technical Services

Complex Fluoride Compounds of Tantalum and Niobium,  
by G. S. Smirchenko, I. V. Tsvanov, 19 pp  
UNCLASSIFIED

RUBSLIM, pvt, Zhur Prik Khimi, Vol XIX, No 10-11,  
1946, 1093-1106,

Sci Tr Center  
RT-1118

ACC-Tr-6069  
(9215593)

15,359

Scientific - Chemistry

Dehydrogenation of Ethylbenzene in Mixture with  
Xylene, by A.A. Balandin and G.M. Marukyan.  
RUSSIAN, per, Zhurnal Prikladnoi Khimii, 1946,  
Vol. 19, no. 12, pp.1277-1280.  
SLA-TI-64-20366

Chem  
Aug 66

7  
306,620

Zhur Prik Ehim XI X, 1350-7, 1946

Physico-Chemical Analysis in the Field of the Hydro-chloric Acid Treatment of Phosphates I. The System  $\text{CaO}-\text{P}_2\text{O}_5-\text{HCl}-\text{H}_2\text{O}$

A. A. Zaperova and M. N. Shul'gina (Lab for Physico-chemical Analysis of the Sci Inst of Fertilizers and Insectofungicides, VNIUF)

(Wilson Lam 2612)

078 63-16429

Oscillographic Study of Discharge in Pulsed X-Ray  
Tubes, by E. M. Reikhruzel, A. A. Savin, T. A.  
Titova, 6 pp.

RUSSIAN, per, Zhurnal Prikladnoi Fiziki, Vol XXI,  
No 7, 1951.

Amer Meteorol Soc  
AF Cambridge Res Center

Sci - Physics

May 60

115,850

Effective Coefficient of Heat Transfer in Catalyst  
Masses, by V. O. Bakharev, G. K. Boreskov.

RUSSIAN, per, Zbir Prikl Khim, Vol XX, 1947.

CIA/FDD/X-146

Scientific - Chemistry

15,037

Physico-Chemical Properties of Ethanolamines, by  
A. G. Leybush, E. D. Shorina.

RUSSIAN, no per., Zhur Prik Khim, Vol XX, 1947,  
pp 69-76.

Ref ID: A67413  
Soviet Science Series  
Astroc Tech Sv RJ-112

Sci - Chemistry

\$8.40 (\$14.15) M. 182

Aug 54

17,117

Reduction of Nickel Silicate Minerals by  
Carbon Monoxide, by D. P. Bogatskiy, 15 pp.

RUSSIAN, no par, Zhur Prikl Khim, Vol XX,  
No 1/2, 1947, pp 81, 88.

Sci Tr Cantar RT-2854

Scientific -- Chemistry; Min/Metals  
Jan 56 GTS/dex

3.0, 213

Hydrometallurgical Treatment of Alluvial Nickel Ores by the Ammoniacal Method, by D. P. Bogatskiy, A. S. Semenova, 19 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XX,  
No 1/2, 1947, pp 89-96.

Sci Tr Center RT-2855

Scientific -- Min/Metals  
Jan 56 GTS/dex

30, 212

The Condensation of Melamine and Formaldehyde and the Preparation of Melamine Formaldehyde Resins and Plastics From These Resins, by A. A. Vansheidt, Z. K. Naumova, N. E. Scrokina, 14 pp.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol XI, No 3, 1947, pp 163-169.

Sci Trans Center RT-3403

32,694

Apr 56

Scientific - Chemistry

Investigation of Properties of Red  
Lead Oxide Batteries, by V.P.  
Mashoukts.

RUSSIAN, Zhur Pril Khim, Vol X+,  
no 3, 1947, pp 225-238

NRL Tr 191 & Sci Trans Center RT-96

GORENKO, N. S.  
AND OTHERS

Zhurnal Prikladnoi Khimii, vol. 20, No. 4, 8 figures,  
2 tables, 1800 words; 1947.

Hardness of Chromium-impregnated Surfaces on Iron  
and Steel.

Brutcher Trans, Order No. 2022, \$3.15.

Bogatzkii, D. P.  
REDUCTIE VAN NIKKELSILICAAT MINERALEN MET  
KOOLMONOXIDE (Reduction of Nickel Silicate Mine-  
rals with Carbon Monoxide). 13p. 9 refs. MTWL: 60.  
(text in Dutch).

Order from OTS or ETC \$1.85 61-17658

Trans. of Zhurnal Prikladnoi Khimii (USSR)1947,  
v. 20, p. 81-88.

DESCRIPTORS: \*Carbon compounds, \*Oxides, Nickel  
compounds, Silicates, Minerals, \*Reduction.

61-17658

I. Bogatzkii, D. P.  
II. MTWL-60  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Physicochemical Investigations in the Field of the Ammonia-Soda Process. IV. Kinetics of Crystallization of Sodium Bicarbonate Out of Supersaturated Solutions, by A. P. Belopol'skiy, F. G. Margolin, 46 pp.

KUBSHEM, per, Zhur Prikl Khim, Vol XX, No 4, 1947,  
p 331-344.

Sci Tr Center  
MF-1594

Scientific- Chemistry

CTS/DEX

18,781

Theory of Chemical Absorption. V.  
Absorption of Carbon Dioxide by Sodium Carbonate  
Solutions by M. E. Pozin.  
RUSSIAN, per, Zhurnal Prakticheskoi Khim., Vol XX,  
No 4, 1947, pp 353-359.  
SIA TT 64-18955

Apr 67

323,080

On the Problem of Reactions in the System  
SiO<sub>2</sub>-C During Heating, by A. N. Novikov,  
RUSSIAN, per, Zh. Prikl. Khim., Vol 20, No 5,  
1947, pp 431-438. P311140363  
ALC SC-T-66-6762

Sci/Chemistry  
Jan 67

316,187

Investigation of the Conditions of Preparing  
Used Phosphates, by K. I. Zagvordkin, N. A.  
Barilko, 14 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XX, 1947,  
pp 502-514.

SLA R-2615

Sci + Chem

Jun 59

89,596

Pozin, M. E. and Opykhtin, M. A.

THE THEORY OF CHEMICAL ABSORPTION. V. THE ABSORPTION OF CHLORINE AND SULPHUR DIOXIDE BY SOLUTIONS OF CAUSTIC SODA: THE ABSORPTION OF CHLORINE BY BENZENE (Teoriya Khemosorbscii. V. Absorbsiya Khlora i Sernistogo Gaza Rastvorami Edkogo Natria; Absorbsiya Khlora Benzolem). [1963] [23p] (foreign text included) 4refs Order from OTS, SLA, or ETC \$2.60 TT-63-2016?

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20, no. 6, p. 523-631. (Abstract available)

DESCRIPTORS: \*Absorption, \*Chlorine, \*Dioxides, \*Sulfur compounds, \*Sodium compounds, \*Hydroxides, \*Benzenes,

The correctness of the theoretically derived equations of kinetics of chemosorption was confirmed on a series of examples (absorption of chlorine and sulphurous gas (Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20162

I. Pozin, M. E.  
II. Opykhtin, M. A.  
III. Title: Absorption...  
IV. Title: Absorption...

Office of Technical Services

Faraday's Law and Current Yield in the Electrolysis  
of Fused Salts. Part I. Influence of Temperature,  
by A. F. Alabyshiev, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947, pp  
558-562, summary in English, p 563.

CIA/FDD/X-1247

Scientific - Chemistry  
CTS/DEK

10,063

Physicochemical Investigations in the Field of  
Ammonia-Soda Process. V. Concerning Relative Roles  
of Resistance of Gaseous and Liquid Films in Carboni-  
zation of Ammonia-Soda Solutions, by A. P.  
Belopol'skiy, 12 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol. XX, No 7, 1947,  
pp 577-583.

Sci Tr Center  
RT-1591

Scientific - Chemistry

CTS/DEX

18,785

Faraday's Law and Current Yield in the Electrolysis  
of Fused Salts. Part II. Influence of Current  
Density at the Electrodes, by A. F. Alabyshev,  
11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XX, 1947, pp 597-  
604, summary in English, p 604.

CIA/FDD/X-1248  
OTS 77-63-20431 (16pp)

Scientific - Chemistry  
CTS/DIX

10, 116

On Several Derivatives of Phenanthrene, by  
Yu. S. Zalkind, Kh. V. Balyan.

RUSSIAN, per, Zhur Prik Khim, Vol XX, No 7,  
Jul 1950, p 1209.

Consultants Bureau

Scientific - Chemistry

14,455

Reaction of Ethylene Oxide With Ammonia Over  
Aluminum Oxide, by M. S. Malinovskiy,  
B. N. Moryganov, 8 pp.

RUSSIAN, no per, Zbir Prik Khim, Vol IX, No 7,  
1947, pp 630-634.

Sci Tr Center RT-2446

Scientific - Chemistry  
Dec 55 CTS/4 DEX

28,987

Resistance of an Electrolyte in a Bath as a  
Function of the Form, Dimensions, and  
Arrangement of the Electrodes. III. A  
Combination of a Flat Electrode and a  
Cylindrical one, by V. P. Mashovets,  
V. V. Cherdynsev, M. V. Neustrueva, 19 pp,  
UNCLASSIFIED  
*114-28766*

RUSIAN, per, Zhur Prik Khim, Vol XX, No 7,  
1947, pp 660-668.

OTS TR-62-20751

Sci Tr Center

RT-1801

*Jan 55*

20,533 Scientific - Chemistry *Scans CTS*

P'yankov, V. and Druzhinin, F.  
OVER DE SNELHEID DER REACTIES VAN ZWAVEL-WATERSTOF MET ENIGE NETAALOXYDEN (Velocity of the Reaction Between Hydrogen Sulfide and Some Metal Oxides) tr. by G. J. M. Fritschy. 7p.  
4 refs. MTWL-49. (text in Dutch).  
Order from OTS or ETC 51.55

61-17667

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947,  
v. 20, p. 693-696.

DESCRIPTORS: \*Hydrogen compounds, \*Sulfides,  
Metals, \*Oxides, Chemical reactions.

61-17667

- I. P'yankov, V.
- II. Druzhinin, F.
- III. MTWL-49
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

VOZDVIZHENSKIY, G. S.

Zhurnal prikladnoi khimii, vol. 21, No. 9, 2800 words;  
1947.

Mechanism of the Electrodeposition of Nickel.

Brutcher Trans, Order No 2149, \$1.90.

Reduction of Alkalai Metal Chlorides, by P. V. Gol'd.  
A. S. Mstislavskiy, M. S. Polysikov, A. P. Soligorskiy,  
18 pp. K

RUSSIAN, per, Zaur Frik Khim, Vol XX, 1947, pp  
800-808.

AM5

Sci

Aug 59

73, 538

<p>Shneerson, A. L. and Leibush, A. G. ABSORPTION OF CARBON DIOXIDE BY ETHANOLAMINES. I. RATE OF ABSORPTION OF CARBON DIOXIDE IN SOLUTIONS OF MONO-, DI-, AND TRIETHANOL-AMINES. 23p. 17 refs. MTWL: 171. Order from OTS or ETC \$1.00 61-17837 Trans. of Zhurnal Prikladnoi Khimii (USSR) 1946, v. 19, no. 9, p. 869-880.</p> <p>DESCRIPTORS: *Carbon dioxide, Ethanols, *Amines, Solutions, Absorption.</p>	<p>61-17837</p> <p>I. Shneerson, A. L. II. Leibush, A. G. III. MTWL-171 IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur</p>
---	---

Office of Technical Services

Effect of Viscosity of Medium Upon Vinyl Compound Polymerization, by Z. A. Rogovin,  
L. A. Templin, 12 p.

RUSSIAN, per, Zhur Fiz Khim, 1947, Vol XX,  
No 9, pp 875-882.

SLA 59-17259  
SLA TT 64-20156

Sci  
Doc 59  
Vol 2, No 6

104,002

Polymerization of Vinyls in Presence of Nitric Acid Esters, by Z. A. Rogovin, L. A. Tsaplina,  
6 p.

RUSSIAN, per, Zhur. Prom.-Khim., 1947, Vol XX, No 9,  
pp 883-886.

SLA 59-17260  
OTS TT-63-20611

Sci  
Doc: 59  
Vol 6, No 6

104, 003

ZHELEZKOV, P.S.

R-3022. Diffusion through a double osmotic membrane.  
Zhur. Priklad. Khim., 20, p.911-13, 1947. (3p.)

TT-63-18566

Pozin, M. E.  
THE THEORY OF CHEMICAL ABSORPTION. VIII. ON  
THE COEFFICIENT OF THE RATE OF ABSORPTION.  
[1963] 17p (Some formulas omitted) 12refs  
Order from OTS, SLA, or ETC \$1.60 TT-63-18566

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1947, v. 20,  
no. 10, p. 903-975. (Abstract available)  
A trans. is available in Dutch from OTS or ETC \$2.71  
in TT-61-17957, MTWL-303, 48p.

DESCRIPTORS: \*Absorption, \*Kinetic theory, Diffusion, Absorbents, \*Towers (Chemistry), Fluid flow.

There is established the regularity for the rate of mass transmission through a diffusion layer of liquid in the form of a function of dimensionless criteria characterizing the physical, hydrodynamic and geometric conditions of work of a scrubber. The experiments which (Chemistry--Physical, TT, v. 11, no. 4) (over)

I. Pozin, M. E.  
II. Title: Or...

Office of Technical Services

Influence of Temperature and Moisture on the  
Corrosion of Metals in an Atmosphere of Sulfur  
Dioxide, by O. V. Zarebina, M. L. Turich, 10 pp.

RUSSIAN, per, Zhur Prikladnoi Khim, Vol XXI, 1948,  
pp 362-371.

SIA R-2492

Sci  
Aug 59

94f, 557

The Nature of Heat Liberation in the Synthesis of  
Calcium Silicates, by F. I. Vassinen.

RUSSIAN, per, Zhur Prikl Khim, Vol XII, 1948,  
pp 390-393. 7.7403

United Kingdom Scientific Mission  
SLI

Sci - Chemistry  
Oct 57

54, 436

ZHUR PRIKLAD KHMII

Vol XXI, No 4, 1948, 16 pp

Effect of Impurities in a Lead-Antimony Alloy on the Work  
of the Grid of a Lead Storage Battery. I. Anode Corrosion  
of the Alloys" II. "The Kinetics of Erosion"

V. P. Mashovets  
A. Z. Lyandres

Translation (32 pp) M. A. London R 1586049  
listed in abstracts of T. I. Documents  
ONI FS 4320-49, 15 Aug 1949

On file thru D:RD 1948

75T23

Thermal Oxidation of Chromium Oxide and Dissociation  
of Calcium Chromates, by F. I. Vosenin, 16 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp  
429-436.

ABC SCL T-171

Sci - Chem

Sep 58

73, 801

CHALOV, N. V.

R-3011. Preparation of trihydroxyglutaric acid by  
oxidation of xylose with nitric acid. Zhur. Priklad.  
Khim., 21, p.486-95, 1948. (12p.)

Zarubina, O. V. and Turich, M. L.  
TEMPERATURE AND HUMIDITY "FACTORS" IN THE  
CORROSION OF METALS IN ATMOSPHERES OF  
SULPHUR DIOXIDE. Nov 49 [14]p. 8 refs. BISI-387;  
DSIR L.I.U. No. 2778.

Order from OTS or S.A. \$1.60 61-23303

Trans. of *Zurnal Metallovedeniya i Khimii* (USSR) 1948,  
v. 21, no. 4, p. 362-371. Fig. X-12.2.

DESCRIPTORS: \*Metals, \*Corrosion, Temperature,  
Humidity, Sulfur compounds, Dioxides.

The factor which determines the corrosion of metals  
in an atmosphere containing sulphur dioxide in the  
temperature range of 13° to 40°C and at any value of  
the relative humidity is the temperature. The ma-  
ximum formation of corrosion films is observed at a  
temperature of from 20° to 25° and a relative humid-  
(Metallurgy--Corrosion, TT, v. 6, no. 7) (over)

61-23303

- I. Zarubina, O. V.
- II. Turich, M. L.
- III. BISI-387
- IV. DSIR L.I.U. M. 2778
- V. British Iron and Steel  
Industry Translation  
Service

13154

Office of Technical Services

The Primary Source of Acetic Acid in the Thermal  
Decomposition of Dendriform Wood, by S. S. Ermolayeva,  
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp  
583-587.

SEA R-3012

Sci

Jul. 59

92,708

On the Action of Water Upon Amino Plastics, by  
A. A. Vansheidt, Z. K. Naumova.  
RUSSIAN, per, Zh. Prik Khim, Vol 21, No 6, 1948,  
pp 644-654.  
NLL \$828.4F (1)688)

Sci - Phys  
Sept. 67

340,372

Berezinoy, A. S. CONTRIBUTION TO THE STUDY OF THE PHYSICAL CHEMISTRY OF PERICLASE IN THE SYSTEM CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> [K. Fiziko-khimi Periklaza v Sisteme CaO-MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> ] tr. by G. N. Gibson. July 50 [27] p. 10 refs. DSR Library Communication no. 416; M 2013. Order from LC or SLA m\$2.70, ph\$4.80 61-13374  Trans. of <u>Zhurnal Prikladnoy Khimii (USSR)</u> 1948, v. 21, no. 7, p. 717-731. Another translation is available from Science Museum Library, London no 50/3262.	61-13374  1. Magnesium oxides--Phase studies 2. Refractory materials-- Phase studies I. Berezinoy, A. S. II. LC-416 III. DSR LLU M.2013 IV. Department of Scientific and Industrial Research (Gr. Brit.)  SLA R-2169  61-13374  Office of Technical Services
---	---

Current Yield of Electrolyzing Fused Salts, by A. L.  
Rotinyan, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XXI, 1948, pp  
755-764.

RUSSIAN  
CIA/HDD/X-1259

Scientific - Chemistry  
CTS/DEX

10, 047

Rotinyan, A.I.  
KINETICA VAN DE ZWELLING VAN STEENKOOL IN  
PYRIDINE (Kinetics of the swelling of hard coal in  
pyridine), tr. by G.J.M. Fritschy, 7 p. 1 ref.  
MTWL-474. (Text in Dutch)  
Order from OTS or ETC \$0.80  
Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948, v. 21,  
p. 751-754.

61-17022  
I. Coal-Swelling  
I. Rotinyan, A.I.  
II. MTWL-474  
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

To the Question of Studying High-Percentage  
Ferrosilicon, by A. A. Trots, M. G. Kaksimenko,  
10 pp.

RUSSIAN, Zhur Pril Khim, Vol XXI, No 7, pp 775-  
780, 1948.

Morris D. Friedman T-12<sup>4</sup>

Sci - Chem  
Aug 58

70, 629

POZIN, M. E.

R-3009. The rate of absorption accompanied by  
reversible chemical reaction. Zhur. Priklad Khim., 21,  
p.802-6, 1948. (7p.)

Mit'kevich, G. P. THE RELATIONSHIP BETWEEN FROTHING PROPER- TIES AND THE SIZES OF BUBBLES. [1960] [5]p. 9 refs. Warren Spring Lab. Trans. NT739; M1347. Order from I.C or SLA m151.80, m151.80 60-17182  Trans. of <i>Zhurn[s] Priklay[nov]. Khim[u]. (USSR)</i> 1948, v. 21, no. 8, p. 816-819.	60-17182  1. Flotation--Physical factors 2. Bubbles--Growth I. Mit'kevich, G. P. II. DSIR NT-739 III. DSIR LLU M.1347 IV. Department of Scientific and Industrial Research (Gt. Brit.)  143,242
(Engineering--Chemical, TT, v. 5, no. 4)	Office of Technical Services

Specific Heats of Aqueous Solutions of  $MgCl_2$ ,  
 $CaCl_2$ ,  $NaCl$ ,  $KCl$ ,  $K_2O_3$ , and  $NH_4NO_3$  at 25°, 50°  
and 75°C, by A. P. Rutshov, 5 pp.

RUSSIAN, per, 22mar Prik Khim, Vol XXXIII, 1948,  
pp 820-823.

SIA R-2164

Sci

72,200

Aug 58

Kinetics of Reactions in the Formation of Aluminates  
and the Contribution of Mineralizers to the Process.,  
by V. F. Zhuravlev, I. G. Lesokhin, R. G. Tempelman,  
*(DPA 13)*

RUSSIAN, Zhur. Zhur. Prik. Khim., Vol XXI, No 9, 1948,  
pp. 887-902

Sci Mu Lib 53/2795  
S

10,421

Sci - Chemistry  
CISID=!

Solubility in the System Ammonium Sulfate-Ammonium Sulfite-Ammonium Bisulfite-Water. I. The Ternary System Ammonium Bisulfite-Water, by N. A. Vasilenko, 31 pp.

RUSSIAN, per, Zhur Frik Khim, Vol XXI, 1948, pp 917-926.

SLA/R-2557

Sci  
Apr 59

84,908

The Rate of Absorption of Carbon Dioxide by  
Hydrochloric Solutions, by N. K. E. Y. Turkhan,  
13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XXI, 1948,  
pp 927-936.

SLA R-2193

Sci

Aug 58

72,216

Dynamics of Ion Exchange, by E. N. Gapon  
and T. B. Gapon, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXI  
1948, pp 937-947.

SLA R-2194

Sci

Aug 58

72,164

On the Theory of Dyeing. XIII. The Dependence  
of the Absorption of Acid and of Substantive Dyes  
by Wool Keratin on the pH of the dye Bath, by  
E. V. Sokalova

RUSSIAN, per, Zhur Prik Khim, Vol XXI, 1948, pp  
966-975.

Natl Res Council Canada TT 381

Scientific - Chemistry  
Aug CIS/DEX

16, 849

Alkylation of Benzene With Propane, by Ya. M. Paushkin,  
A. V. Topchiev.

Full translation.

RUSSIAN, no per, Zhur Prik Khim, Vol XXI, No 10, 1948,  
pp 1065-1072.

AEC Tr 1184

Sci - Chem

Apr 52 CTS

Mechanism of Hydrolysis of Cellulose. II.  
Content of Readily Hydrolyzable Fraction in  
Various Cellulose Products, by V. I. Sherkov,  
G. D. Ponomareva, N. N. Kukashova, 13 pp.

RUSIAN, per, Zhur Pril Khim, Vol XXI, 1948,  
pp 1073-1082.

SIA R-2467

Sci - Chem

Jun 59

89, 581

Drop Flow of a Liquid into Another Liquid or Gaseous  
Medium, by Smirnov, N. I., and Polyuta, S. B.

RUSSELL, per, Journal Prikladnoy Khimii, Vol 21, 1948,  
pp 1137-1146

Sci Museum Lib No 50/2716

RT-1963

Smirnov, N. I. and Polyuta, S. E.  
DRUPPELVORMIGE UITSTROMING VAN EEN VLOEISTOF IN EEN ANDERE VLOEISTOF OF IN EEN GAS  
(Dropping a Liquid into Another Liquid or into a Gas).  
14p. 2 refs. MTWL-353. (Text in Dutch).  
Order from OTS or ETC \$1.85 61-17580

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1948,  
v. 21, no. 11, p. 1137-1146.

DESCRIPTORS: \*Liquids, Gases, \*Fluid flow,  
Processing.

61-17580

- I. Smirnov, N. I.
- II. Polyuta, S. E.
- III. MTWL-353
- IV. Stichting Moeilijk  
Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Rate of Absorption of Carbon Dioxide by Hydroxide,  
by M. E. Pozin.

RUSSIAN, per, Zhur Prik Khim, Vol XXI, No 11, 1948,  
pp 1184-1185.

Dept of Interior  
National Coal Bd Tr A 1181/EW  
US Bur of Mines  
Central Experiment Station  
Pittsburgh, Pa

136, 757

## Physico-Chemical Nature and Catalytic Activity of Boron Trifluoride Compounds, 17 pp, by PAUSHKIN, Ye.M.

RUSSIAN, no per., Zvezd Prik Khim, Vol XXI, No 12,  
pp 1199-1209, 1948. CIA 97-70

British Sci Museum No 52/1631  
K.L. M. 8072

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910076-2

The Equilibrium System of Silicon Oxide, by  
P. V. Gol'd, M. I. Kochnev.

Full translation.

RUSSIAN, per, Zhur Prikl Khim #6 21, 1948,  
pp 1249-1250.

SLA 66-10732  
AEC Tr 1209

Scientific - Chemistry

Rate of Reduction of Silica by Carbon, Carborundum,  
Ferrosilicon and Crystalline Silicon - P. V.  
Gel'd, A. G. Kologreva, N. N. Serebrennikov.

Pull translation.

RUSSIAN, per, Zhur Prikl Khim, No 21, 1948,  
pp 1261-1271.

AEC Tr 1208

SLA 34-15-1-1

Scientific - Chemistry

KUZNETSOV, I. I., KOZHUKHOVSKII, A.A., and  
BOROVAYA, F. E.

R-2917. Solubility and vapor pressures of saturated  
solutions in the systems  $\text{KH}_2\text{PO}_4$  -  $\text{NH}_4\text{H}_2\text{PO}_4$  -  $\text{H}_2\text{O}$  at  
 $25^\circ$  and  $\text{NH}_4\text{NO}_3$  -  $(\text{NH}_4)_2\text{HPO}_4$  -  $\text{H}_2\text{O}$  at  $50^\circ \text{C}$ . Zhur.  
Priklad. Khim., 21, p.1278-81, 1948. (6p.)

Zhur Prik Khim XII, 1303-16 (1948)

Surface Electric Conductivity of Solid Dielectrics

N. Chirkov (Inst of Chem Physics, Moscow)

(Wilson Dam 2683)

3<sup>rd</sup> Year Chem., Vol xxii, 129-131 (1948)

"Concerning Valence States of the Carbon Atom,"

by M A. Konner

Done by REC  
Trans. # 217

Pyrophoric Metals, by D. A. Pospekhov.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 1,  
1949, pp 5-12.

Army Materiel Command  
Tr Log No 103

Sci - M/M  
Apr 63

229,318

Chemical Methods for the Removal of  
Noxious Gases from Air, by V. G. Gurevich,  
K. K. Sigalovskaya, 14 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, 1949,  
pp 13-23.

SLA R-2156

Sci

Aug 58

72,423

Rate of Solution of Rock Salt and of Sylvite in  
Mixed Solutions, by L. L. Erokhin, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1949, pp  
pt 24-32.

SLA R-2856

Sci

Jul 59

92, 399

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300910076-2

Synthesis of Dihydroxysulfidine, by I. S. Belousov.

RUSSIAN, no par, Zhur Fiz Khim, Vol XXX, 1949.

ADC Tr 220

14,984

Scientific - Chemistry

July CTS

APPROVED FOR RELEASE: 09/14/ 2001

CIA-RDP84-00581R000300910076-2

Monitor-Signaler of Dangerous Concentrations of  
Noxious Substances in Air: III, Signaler for  
Nitrogen Peroxide, by I. B. Kogan, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXII, No 1,  
1949.

Wilson Dam 2622  
(PA 49/49r26)

Scientific - Chemistry  
CTS/DEX

6363

Signalling Apparatus for Dangerous Concentrations  
of Harmful Substances in Air. III. Signalling  
Apparatus for Nitrogen Dioxide (1,2)., by I. B.  
Kogan (PA 49/49T26)

RUSSIAN, per, Zhur Prik Khim, Vol XXII, N 1949,  
pp 41-44.

CIA/PDD/X-33  
CIA/PDD/Z-62  
Also ONI

6362

Scientific - Chemistry  
CRS/DEX

Certain Problems of the Mechanism of Color Development, by A. V. Bromberg, Yu. B. Vilenchiky, 16 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XXII, No 2, 1949,  
pp 128-134.

CIA/FDD/X-1188

Scientific - Chemistry  
CTS/DME

9168

<p>Butt, V. M. INVESTIGATION OF THE VELOCITY OF HYDRA- TION OF PORTLAND CEMENTS AND OF THE COMPOUNDS OF WHICH THEY CONSIST, tr. by G. N. Gibson. Mar 30 [16]p. 5 refs. DSIR Library Communication no. 471; T/L 759; M 2006. Order from LC or SLA mi \$2.40, ph \$3.30 61-13368  Trans. of Zhurnal Prikladnoy Khimii (USSR) 1949, v. 22, no. 3, p. 223-234.</p> <p><i>See also file no 51/037</i></p> <p>(Materials, TT, v. 5, no. 12)</p>	<p>61-13368</p> <p>I. Cements--Hardening I. Butt, V. M. II. LC-471 III. Trans-T/L-759 IV. DSIR LLU M. 2006 V. Department of Scientific and Industrial Research (Or. Brit.)</p> <p><i>100516</i></p> <p><i>London</i></p> <p>Office of Technical Services</p>	
---	--	--